

CLAIMS

What is claimed is:

1 1. A housing arrangement for a friction clutch, comprising a ring-like
2 housing wall region having a longitudinal axis and a radially inward-facing inner side, a
3 toothing formation arranged on said inner side for the rotary coupling of at least one
4 friction member, and an annular disk-shaped housing bottom region on one axial side of
5 said housing wall region, wherein said housing bottom region is formed integrally with
6 said housing wall region.

1 2. The housing arrangement for a friction clutch of claim 1, wherein
2 said toothing formation has a plurality of toothing projections extending in the direction
3 of the longitudinal axis and succeeding one another in a circumferential direction.

1 3. The housing arrangement for a friction clutch of claim 2, wherein
2 said housing bottom region defines an orifice extending axially therethrough and
3 adapted at least partially to the shape of the toothing projections between each adjacent
4 pair of toothing projections.

1 4. A method for producing a housing arrangement for a friction clutch,
2 comprising the steps of:

3 producing a housing blank with a ring-like housing wall region and an
4 annular disk-shaped housing bottom region such that the housing bottom region is
5 formed integrally with the housing wall region; and

6 forming a toothing formation on a radially inner side of the ring-like
7 housing wall region, the toothing formation arranged for engaging at least one friction
8 member of the friction clutch.

1 5. The method of claim 4, wherein said step of producing comprises
2 providing the ring-like housing wall region with an essentially unstructured surface on
3 the radially inner side thereof.

1 6. The method of claim 4, wherein said step of producing comprises
2 providing the ring-like housing wall region with an inside diameter which corresponds
3 essentially to the minimum inside diameter of the toothing formation to be formed during
4 said step of forming.

1 7. The method of claim 4, wherein said steps of producing the housing
2 blank and forming the toothing formation each comprise using a material-removing
3 machining operation.

1 8. The method of claim 4, wherein said step of forming comprises
2 forming the toothing formation using wire erosion.

1 9. The method of claim 8, wherein said step of forming comprises
2 forming an orifice in the housing bottom region for leading through an eroding wire
3 therethrough in a region between two toothing projections of the toothing formation
4 which are to be formed.

1 10. The method of claim 4, further comprising the step of forming at
2 least one radial orifice in the housing wall region lying between two toothing projections.

1 11. The method of claim 10, wherein said step of forming at least one
2 radial orifice is performed before the step of forming the toothing formation.

1 12. The method of claim 10, wherein said step of forming at least one
2 radial orifice is performed after the step of forming the toothing formation.

1 13. The method of claim 4, further comprising the step of forming an
2 axial orifice on an end face of the housing wall region which is remote from the housing
3 bottom region and in a region of at least one toothing projection.

1 14. The method of claim 13, wherein the axial orifice is an internally
2 threaded orifice.

1 15. The method of claim 13, wherein said step of forming an axial
2 orifice is performed before the step of forming the toothing formation.

1 16. The method of claim 13, wherein said step of forming an axial
2 orifice is performed after the step of forming the toothing formation.